Docket No.: NHL-SCT-21 US Serial No.: 09/758,903

Al ₂ O ₃	> 14	_	25
MgO	4		8
Ca0	0	_	8
Sr0 \	2.6	_	< 4
BaO	.0	-	< 0.5
with SrO + BaO			>, 3
ZnO	0	_	2.

2. An alkali-free aluminoborosilicate glass having a coefficient of thermal expansion $\alpha_{20/300}$ of between 2.8 x $10^{-6}/K$ and 3.4 x $10^{-6}/K$, which has the following composition (in % by weight, based on oxide):

$$SiO_2$$
 B_2O_3
 Al_2O_3
 A

3. An alkali-free aluminoborosilicate glass having a coefficient of thermal expansion $\alpha_{20/300}$ of between 2.8 x $10^{-6}/K$ and 3.6 x $10^{-6}/K$, which has the following composition (in % by weight, based on oxide):

B_2O_3	> 6 - 11.5
Al ₂ O ₃	> 21 - 25
MgO \	4 - 8
Ca0	0 - 8
SrO \	2.6 - < 8
BaO	0 - < 0.5
with SrO + BaO	> 3
ZnO	0 - 2.

- 4. (Amended) The aluminoborosilicate glass according to Claim 1, characterized in that it comprises more than 18% by weight, preferably at least 20.5% by weight, particularly preferably at least 21% by eight, of Al₂O₃.
 - 5. (Amended) The aluminoborosilicate glass according to Claim 1, characterized in that the glass comprises more than 8% by weight of B_2O_3 .
 - 6. (Amended) The aluminoborosilicate glass according to Claim 1, characterized in that it additionally comprises:

$$ZrO_2$$
 $0 - 2$
 TiO_2 $0 - 2$

with $ZrO_2 + TiO_2$ $0 - 2$
 As_2O_3 $0 - 1.5$
 Sb_2O_3 $0 - 1.5$
 SnO_2 $0 - 1.5$
 CeO_2 $0 - 1.5$

NHL:slm/ksm/vwt

Docket No.: NHL-SCT-21

Serial No.: 09/758,903

Cl-- 1.5

F 1.5

SO₄2-0 - 1.5

with $As_2O_3 + Sb_2Q_3 + SnO_2 + CeO_2$

+ C1 + F + SO42-0 - 1.5.

- 7. (Amended) The aluminoborosilicate glass according to Claim 1, characterized in that the glass is free of arsenic oxide and antimony oxide, apart from unavoidable impurities, and that it can be produced in a float plant.
- 8. (Amended) The aluminohorpsilicate glass according to Claim 1, which has a coefficient of thermal expansion $\alpha_{\text{20/300}}$ of between 2.8 x 10^{-6} /K and 3.6 x $10\frac{1}{6}$ /K, a glass transition temperature T_q of > 700°C and a defisity ρ of < 2.600 g/cm³.
- 9. (Amended) Use of the aluminoborosilicate glass according to Claim 1 as substrate glass in display technology.
- 10. (Amended) Use of the aluminoborosilicate glass according to Claim 1 as substrate glass in thin-film photovoltaics.

Please add the following newly presented Claims 11-20.

- The aluminoborosilicate glass\according to Claim 2, characterized in that it comprises more than 18% by weight, preferably at least 20.5% by weight, particularly preferably at least 21% by weight, of Al_2O_3 .
- The aluminoborosilicate glass according to Claim 2, characterized in that the glass comprises more than 8% by weight

Serial No.: 09/758,903

of B_2O_3 .

The aluminoborosilicate glass according to Claim 2, characterized in that it additionally comprises:

ZrO_2	\		0	_	2
TiO ₂			0	-	2
with ZrO ₂	+ TiO ₂ \	,			0 - 2
As ₂ O ₃	•			•	0 - 1.5
Sb ₂ O ₃		\			0 - 1.5
SnO ₂					0 - 1.5
CeO ₂		18			0 - 1.5
C1-		\			0 - 1.5
F-					0 - 1.5
SO ₄ ²⁻		\			0 - 1.5
with As ₂ O ₃	+ Sb ₂ O ₃ +	SnO ₂ + Cec)2	,	•
+ Cl-+ F-+	SO ₄ 2-	. \	\	_	0 - 1.5.

- The aluminoborosilicate glass according to Claim 2, characterized in that the glass is free of arsenic oxide and antimony oxide, apart from unavoidable impurities, and that it can be produced in a float plant.
- The aluminoborosilicate glass according to Claim 2, 15. which has a coefficient of thermal expansion $\alpha_{20/300}$ of between 2.8 x 10⁻⁶/K and 3.6 x 10⁻⁶/K, a glass transition temperature $\rm T_{\rm g}$ of > 700°C and a density ρ of < 2.600 g/cm³.
 - Use of the aluminoborosilicate glass according to 16.

17. Use of the aluminoborosilicate glass according to Claim

Docket No.: NHL-SCT-21 US Serial No.: 09/758,903

- 2 as substrate glass in thin-film photovoltaics.
- The aluminoborosilicate glass according to Claim 3, characterized in that the glass comprises more than 8% by weight of B_2O_3 .
- The aluminoborosilicate glass according to Claim 3, characterized in that it additionally comprises:

ZrO ₂	0 -	2
TiO ₂	0 -	2
with $ZrO_2 + TiO_2$		0 - 2
As_2O_3		0 - 1.5
Sb ₂ O ₃		0 - 1.5
SnO ₂		0 - 1.5
CeO ₂		0 - 1.5
Cl-		0 - 1.5
F-		0 - 1.5
SO ₄ ²⁻		0 - 1.5
with As ₂ O ₃ + Sb ₂ O	$_3 + SnO_2 + CeO_2$	
+ Cl ⁻ + F ⁻ + SO ₄ ²⁻		0 - 1.5.

The aluminoborosilicate glass according to Claim 3, characterized in that the glass is free\of arsenic oxide and antimony oxide, apart from unavoidable impurities, and that it can be produced in a float plant .--